

# General Environmental Incident Summary

**Incident:** 2000      **Notice:** 7/26/2013      0000      **Occurred:** 7/26/2013      0000

**DEM Incident No:**

**No Further Action:** ☒

**Responsible Party:** Bismarck State College

**County:** Burleigh

**Twp Rng Sec Qtr:** 139   80   31

**Lat Long + Method:** 46.82230      -100.81650      Navigation quality GPS

**Location Description:** Behind Jack Science Building 1414 Schafer Street  
Bismarck ND

**Submitted By Info:** Don Roethler

## Received By Info:

**Contact Info:** Don Roethler

PO Box 5587

Bismarck ND 58506

**Affected Medium:** 03 - soil

**Near. Occupied Bldg:** 25 Feet

**Type of Incident:** Ethylene Glycol leak from underground pipes

**Release Contained:**

**Reported to NRC:** Unknown

**Contaminant:** Ethylene Glycol

**Volume of Release:** 50 gallons

**Duration of Release:** 0 hours

**Agriculture Related:** No

**EPA Extremely**

**Hazardous Substance:** Unknown

**Number of Fatalities:**

**Number of Injuries:**

**Cause of Incident:**

Had 2 underground chiller lines lose pressure. Excavated around lines and found leaking couplings on pipes.

**Risk Evaluation:**

Contaminated soil removed

**Potential Env. Impacts:**

None

**Action Taken/Planned:**

Repaired lines removed contaminated soil and hauled to city land fill  
spoke to Steve Tillotson at ND Health Dept about the leak

**Wastes Disposal Location:**

City of Bismarck landfill per Steve Tillotson

**Other Agencies Involved:**

## **Updates**

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**Date:** 7/26/2013      **Status:** Reviewed - Follow-up Required

**Author:** Stockdill, Scott

**Notes:**

Release impacted surrounding soils. Scott Stockdill will inspect site 7/26/2013.

**Updated Volume:** None at the time of this update

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**Date:** 7/29/2013      **Status:** Inspection

**Author:** Stockdill, Scott

**Notes:**

N.) 46.822305

W.) -100.816491

Arrived at location 2:05pm CST 7/29/2013.

Soil removed with lines exposed. One of two leaks repaired, two more lines losing pressure. They had planned to backfill on 07/30/2013.

More follow-up required.

**Updated Volume:** None at the time of this update

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**Date:** 7/30/2013      **Status:** Inspection

**Author:** Roberts, Kris

**Notes:**

7/30/2013 - 10:00 on location. Visited with Keith from BSC maintenance. Heating/cooling system had been losing pressure slowly for 6 months. System had been repressured with coolant at least twice in that time. Leak was found on line between building and chiller, repaired, and approximately 3 cubic yards of contaminated soil was sent to Bismarck LF. At request of NDDoH, a confirmation sample from below the leaking pipe will be collected and analyzed.

While dealing with this issue, another pressure loss was noted on the lines between the building and the cooling tower. It is not known at this time whether the leak is inside the building or outside. More follow-up is needed to determine how much has leaked from the system, and what is required for clean up.

No photos taken.

**Updated Volume:** None at the time of this update